



DOCKET NO.: H0498.70154US00

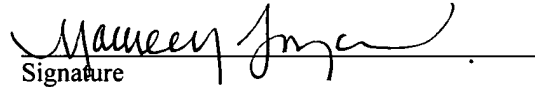
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Charles M. Lieber et al.
Serial No.: 09/935,776
Confirmation No.: 8935
Filed: August 22, 2001
For: DOPED ELONGATED SEMICONDUCTORS, GROWING SUCH
SEMICONDUCTORS, DEVICES INCLUDING SUCH
SEMICONDUCTORS AND FABRICATING SUCH DEVICES

Examiner: Shouxiang Hu
Art Unit: 2811

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 3 day of December 2004.


Signature

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114. No fee or certification is required.

PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicants hereby make the following additional information of record in the above-identified application.

The Applicants would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventors</u>
10/734,086	December 11, 2003	Lieber, et al.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

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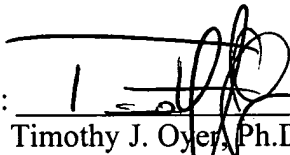
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By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By: 
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Docket No.: H0498.70154US00
Date: 12/03, 2004
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PATENT & TRADEMARK

FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
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GROUP ART UNIT: 2811

EXAMINER: Shouxiang Hu

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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
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		2004/0136866	A1	Pontis et al.	07-15-2004
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FORM PTO-1449/A and B (Modified)

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FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		WO	95/02709	A2	President & Fellows of Harvard College	01-26-1995	
		WO	96/29629	A2	President & Fellows of Harvard College	09-26-1996	
		WO	97/33737	A1	President & Fellows of Harvard College	09-18-1997	
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		DUAN, X., et al., "Single-nanowire electrically driven lasers," <i>Nature</i> , 421 , (2003), pp. 241-245.	
		GIVARGIZOV, E.I., et al., "Fundamental Aspects of VLS Growth," <i>J. Crystal Growth</i> , 31 , (1975), pp: 20-30	
		GUDIJKSEN, M.S., et al., "Size-Dependent Photoluminescence from Single Indium Phosphide Nanowires," <i>J. Phys. Chem. B</i> , 106 , (2002), pp. 4036-4039	
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		HUANG, M., et al., "Room-Temperature Ultraviolet Nanowire Nanolasers," <i>Science</i> , 292 , (2001), pp. 1897-1898	
		JOHNSON, J.C., et al., "Single gallium nitride nanowire lasers," <i>Nature Materials</i> , 1 , (2002), pp. 106-110	
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		KONG, J., et al., "Chemical vapor deposition of methane for single-walled carbon nanotubes," <i>Chem. Physics Letters</i> , 292 , (1998), pp: 567-574	
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Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		WANG, N., et al., "SiO ₂ -enhanced synthesis of Si nanowires by laser ablation," <i>App. Physics Letters</i> , 73(26), (1998), pp: 3902-3904	
		WONG, S., et al., "Covalently functionalized nanotubes as nanometre-sized probes in chemistry and biology," <i>Nature</i> , 394, (1998), pp: 52-55	
		YANG, P. et al., "Controlled Growth of ZnO Nanowires and Their Optical Properties," <i>Adv. Funct. Matter</i> , 12(5), (2002), pp. 323-331	
		ZHOU, G., et al., "Growth morphology and micro-structural aspects of Si nanowires synthesized by laser ablation," <i>J. of Crystal Growth</i> , 197, (1999), pp: 129-135	
		Office Action mailed 6/25/04 in U.S. Patent Application No. 10/020,004, filed 12/11/2001	
		Office Action mailed 6/30/04 in U.S. Patent Application No. 10/196,337, filed 07/16/2002	
		International Search Report in PCT Application No. PCT/US03/22061, Int'l Filing Date, 7/16/03	
EXAMINER		DATE CONSIDERED	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).